

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM**  
**(Deemed to be University)**

**B.Sc. (NURSING) DEGREE EXAMINATION – February 2021**

**First Year**

**ANATOMY AND PHYSIOLOGY**

Time: Three hours

Maximum: 75 marks

Answer Part A and Part B in separate Answer Book

**PART – A**

**ANATOMY**

**Maximum: 37 marks**

**SECTION – A**

I. Answer **All** Questions. Each answer in one or two sentences: (7 x 1 = 7)

1. Name the organs of respiration.
2. Mention the types of bones.
3. Write the parts of fallopian tube.
4. Give two examples of ball and socket joint.
5. Name the coverings of brain.
6. Define blood brain barrier.
7. Write any four cranial nerve.

**SECTION – B**

II. Write Short Notes on any **THREE** of the following: (3 x 5 = 15)

8. Tongue – Parts, surfaces, muscles, nerve, supply.
9. Urinary Bladder – Parts, surfaces, capacity, interior.
10. Draw and label the eye ball.
11. Blood supply of Brain.
12. Gluteus maximus.

**SECTION – C**

III. Answer any **TWO** of the following: (2 x 7 ½=15)

13. Enumerate the parts of respiratory system and write in detail about the Lung.
14. Describe the mammary gland under the following headings: (i) Shape (ii) Surfaces (iii) Structure (iv) Blood Supply (v) Lymphatic Drainage (vi) Applied Anatomy.
15. Enumerate the parts of uterus and write in detail about uterus.
16. Explain the structure of the Heart.

(p.t.o)

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**PART – B**

**PHYSIOLOGY**

**Maximum: 38 marks**

**SECTION – A**

I. Answer **All** Questions. Each answer in one or two sentences: (8 x 1 = 8)

1. Write functions of medulla abolongata.
2. Enlist the functions of platlets.
3. Mention any two functions of blood.
4. Name any two hormones produced by the adrenal cortex.
5. List any two functions of CSF.
6. Name any four primary tastes.
7. List any two physiological properties of skeletal muscle.
8. Mention the functions of cereberal cortex.

**SECTION – B**

II. Write short notes on any **THREE** of the following: (3 x 5 = 15)

9. Enumerate the functions of bone marrow.
10. Functions of long bone.
11. Renin angiotensin mechanism.
12. Action potential.
13. Functions of electrolytes.

**SECTION – C**

III. Answer any **TWO** of the following: (2 x 7 ½ =15)

14. Physiological functions of covering of brain.
15. Functions of cardiac cycle.
16. Functions of digestive enzymes.
17. Functions of ovary.

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(Sl.No.M2055)